

Marzano Questioning Fact Sheet

<i>Level of Thinking Skill</i>	<i>Processes Involved</i>	<i>Verbs Involved</i>	<i>Question Stems to Use</i>
Knowing	<ul style="list-style-type: none"> • focusing on needed information • defining the problem • setting goals for solving problems • obtaining information through the senses • formulating questions for inquiry • storing information in long-term memory • recalling information from long-term memory 	<ul style="list-style-type: none"> • categorize • group • classify • compare • contrast 	<ul style="list-style-type: none"> • Who did ____? • When was ____? • What is ____? • Identify the ____ in the ____. • Describe • Which ____ best defines ____? • Which ____ is characteristic of ____? • Which ____ is an example of ____?
Organizing	<ul style="list-style-type: none"> • comparison – noting similarities and differences • classifying – grouping and labeling entities • ordering – sequencing entities by a criterion • representing – changing the form but not the substance of information 	<ul style="list-style-type: none"> • categorize • group • classify • compare • contrast 	<ul style="list-style-type: none"> • Categorize ____ according to ____. • Classify ____ according to ____. • How is ____ alike or different from ____? • What is most (or least) important about ____? • In your own words, tell ____.
Applying	<ul style="list-style-type: none"> • using information for practical purposes • demonstrating prior knowledge within a new situation • bringing together appropriate information for problems • using generalizations to solve problems 	<ul style="list-style-type: none"> • apply • make • show • record • construct • demonstrate • illustrate 	<ul style="list-style-type: none"> • Give some instance which ____? • How is ____ related to ____? • How is ____ an example of ____? • How would you use this information? • What do you need to solve this problem? • What are possible solutions to ____?
Analyzing	<ul style="list-style-type: none"> • clarifying information by studying parts and relationships • identifying attributes and components • determining the characteristics of an entity • identifying relationships and patterns • identify the main idea or central element • establishing the hierarchy of key ideas • identifying errors and logical fallacies 	<ul style="list-style-type: none"> • outline • diagram • differentiate • analyze 	<ul style="list-style-type: none"> • What are the attributes of ____? • What evidence can you list for ____? • What are the components, parts or features of ____? • What patterns or relationships do you see in ____? • Outline, web, or diagram ____? • What are the main ideas ____? • What can be concluded about ____?

Generating	<ul style="list-style-type: none"> producing new information, meaning, or ideas inferring – going beyond available information predicting – anticipating next events or outcomes elaborating – explaining by adding additional details, examples, or other relevant information 	<ul style="list-style-type: none"> conclude predict infer explain elaborate 	<ul style="list-style-type: none"> How many ways can you think of to ____? What would happen if ____? Predict what would be true if ____. How can you explain ____? Elaborate about ____? What would you predict/infer from ____? What solutions would you suggest for ____? If you were ____, how would you have ____?
Integrating	<ul style="list-style-type: none"> connecting and combining information summarizing – restructuring information efficiently restructuring – changing existing knowledge structures to incorporate new information 	<ul style="list-style-type: none"> combine summarize design imagine generalize 	<ul style="list-style-type: none"> Devise a plan ____. Summarize ____. How many ways can you think of to ____? Conclude what the result would be if ____. What generalizations can you make? If you could pull this all together in 3-4 sentences, what you would say?
Evaluating	<ul style="list-style-type: none"> assessing the reasonableness and quality of ideas establishing criteria for judging verifying the accuracy of claims 	<ul style="list-style-type: none"> judge evaluate rate verify assess define criteria 	<ul style="list-style-type: none"> What do you think about ____? Why? Which ____ is most significant and why? What are your sources? How do you know they are credible? Did you detect any biases? Judge what would be the best way to ____ What criteria did you use? What is your point of view about this? Are there other points of view about this? How effective was ____?